Release B CDR RID Report

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Section	Page	Figure Table

Category Name Data Server (DSS) Design

Sub Category

Subject Cost Estimation

Actionee ECS

Description of Problem or Suggestion:

Question need for cost estimation at the per request level within the system. The design for the Data Distribution and Storage Management CIs include capabilities to provide estimates of various costs associated with individual requests before they are performed. Why are these estimates required on a per-request basis?

Originator's Recommendation

Back-off to an off line analysis of cost reports to develop estimates.

GSFC Response by: **GSFC Response Date**

HAIS Response by: J. Smith   **HAIS Schedule**

HAIS R. E.   J. Smith   **HAIS Response Date**   6/20/96

Based on discussions, the following is my understanding of how cost estimation can be provided to the user. There is no way that I know to predict the frequency of how often table lookups will be performed, if at all.

Data Server Subsystems will provide an object class to keep track of actual resource utilization. MSS will have an API to access this object class to obtain the utilization rates on a single order (DSS subsystem activity) basis. MSS will then compile the data in order to create cost estimates for the resources used. Once the cost estimates are performed, MSS will then provide the costing information to the Advertising Service. The Advertising Service would then advertise the costs, possibly providing them to the user on an as requested basis. A table lookup would only be performed as a result of a request by the user to the Advertising Service for costing information.

Data Server Subsystems would not be involved beyond providing the actual resources used during their involvement in processsing an order to MSS.

Status   **Closed**   **Date Closed**   **7/1/96**   **Sponsor**   **Kobler**

****** **Attachment if any** ******